ABSTRACT

A method and instruction set stored in a computer readable medium are provided to singulate the limbs of a plurality of animals traversing an instrumented force-sensing floor. The method and the instruction set include the steps of (a) obtaining a data file comprising positional data and ground reaction force data for the animals traversing an

5 instrumented force-sensing floor; (b) dividing the positional data into a plurality of time zones, each time zone having a start time and an end time; (c) determining whether each of said time zones represents positional data and ground reaction force data for a single limb or for multiple limbs; (d) singulating multiple limb time zones into a plurality of separate single limb time zones; (e) identifying each limb in each time zone as a fore limb

10 or a hind limb and a left limb or a right limb; and (f) associating each identified fore and hind limb with a respective one of the animals.